

## CLAIMS

1. A method of treatment of cystic fibrosis in a patient suffering from CF, the method comprising administering to said patient an effective amount of an agent which triggers anion efflux in respiratory tissue via the activation of a secretin receptor.
2. A method of treatment of chronic obstructive pulmonary disease (COPD) in a patient suffering from COPD, the method comprising administering to said patient an effective amount of an agent which triggers anion efflux in respiratory tissue via the activation of a secretin receptor.
3. The method of claim 1 wherein said agent is a secretin receptor ligand.
4. The method of claim 2 wherein said agent is a secretin receptor ligand.
5. The method of claim 1 wherein said agent is human secretin as shown in Figure 1 (SEQ ID NO:10).
6. The method of claim 2 wherein said agent is human secretin as shown in Figure 1 (SEQ ID NO:10).
7. The method of claim 1 wherein said agent is administered by inhalation.
8. The method of claim 2 wherein said agent is administered by inhalation.
9. A composition comprising a secretin receptor ligand together with at least one other compound active against CF.

10. A composition comprising a secretin receptor ligand together with at least one other compound active against COPD.